

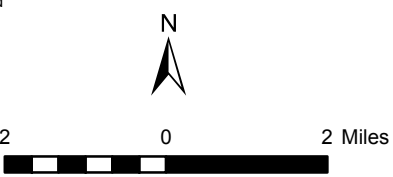
**Legend**

- |                                                        |                                              |
|--------------------------------------------------------|----------------------------------------------|
| Sun Valley to Morgan Proposed Action Right-of-Way      | Existing High-Voltage Substation             |
| Alternative 1 Proposed Action with Additional Corridor | Approved High-Voltage Substation             |
| Alternative 2 South of SR 74                           | Existing 500kV Transmission Line             |
| Alternative 2 Corridor South of SR74                   | Existing 230kV Transmission Line             |
| Alternative 3 Carefree Highway                         | Existing 69kV Transmission Line              |
| Sub-alternative: State Trust Land Route Variation      | Luke Air Force Base (AFB) Auxiliary Field #1 |
| ACC Certificated Route                                 | Auxiliary Field #1 Accident Potential Zone   |

**Surface Land Management**

- |          |                      |
|----------|----------------------|
| BLM      | Local or State Parks |
| USBR     | State Trust Lands    |
| County   | Private              |
| Military |                      |

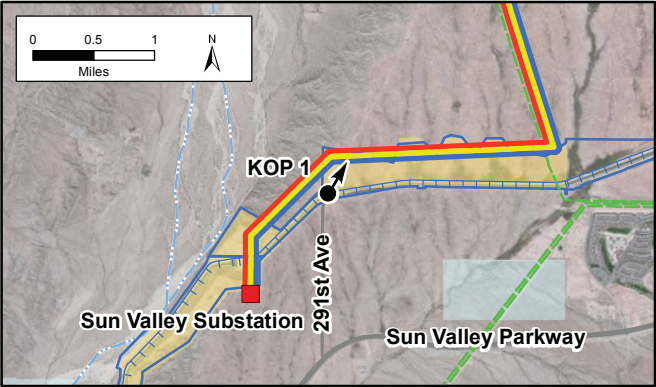
- |                                            |                   |
|--------------------------------------------|-------------------|
| Proposed Action Access Road                | Upgrade Locations |
| Alternative 2 South of SR74 Access Road    | Study Area        |
| Alternative 3 Carefree Highway Access Road |                   |



Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com  
Arizona State Land Department: 2007-2010

Figure 4.9-1  
Proposed Access Roads, Upgrade Locations,  
and OHV Single-track Trails  
Sun Valley to Morgan 500/230kV Transmission Line EIS Project





**Legend**

	Key Observation Point		Major Roads
	Sun Valley to Morgan Proposed Action Right-of-Way		Wash or Stream
	Alternative 2 South of SR 74		Canal
	Alternative 3 Carefree Highway		Central Arizona Project Canal
	Approved High-Voltage Substation	<b>Surface Land Management</b>	
	Existing 500kV Transmission Line		Bureau of Land Management
			State
			Private

**Photograph Information**

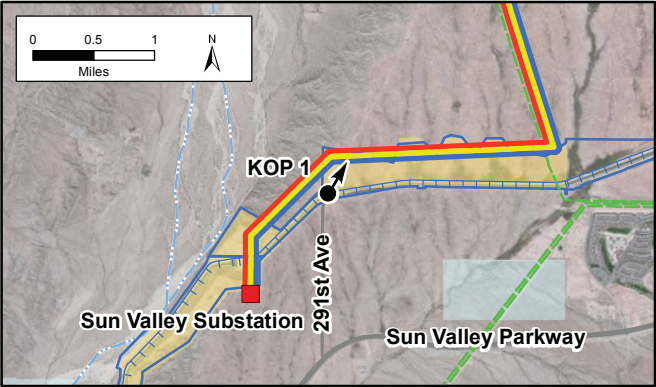
Time of photograph:	2:37 PM
Date of photograph:	5-21-08
Weather condition:	Clear
Viewing direction:	North-Northeast
Latitude:	33°40'31.92"N
Longitude:	112°40'37.09"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Frontlit
Nearest tower in view:	NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-1a  
Existing Conditions  
from Key Observation Point 1  
Northeast of the Sun Valley Substation  
looking north-northeast  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

	Key Observation Point		Major Roads
	Sun Valley to Morgan Proposed Action Right-of-Way		Wash or Stream
	Alternative 2 South of SR 74		Canal
	Alternative 3 Carefree Highway		Central Arizona Project Canal
	Approved High-Voltage Substation	<b>Surface Land Management</b>	
	Existing 500kV Transmission Line		Bureau of Land Management
			State
			Private

**Photograph Information**

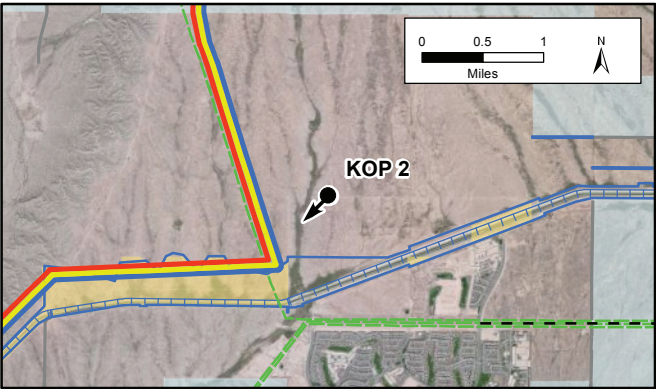
Time of photograph:	2:37 PM
Date of photograph:	5-21-08
Weather condition:	Clear
Viewing direction:	North-Northeast
Latitude:	33°40'31.92"N
Longitude:	112°40'37.09"W
Camera:	Canon Rebel EOS XT
Lens:	50mm
Lighting condition:	Frontlit
Nearest tower in view:	0.21 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-1b  
Simulation Common to All Alternatives  
from Key Observation Point 1  
Northeast of the Sun Valley Substation  
looking north-northeast  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

- Key Observation Point
- Sun Valley to Morgan Proposed Action Right-of-Way
- Alternative 2 South of SR 74
- Alternative 3 Carefree Highway
- Existing 500kV Transmission Line
- Existing 69kV Transmission Line
- Major Roads
- Canal
- Central Arizona Project Canal
- Surface Land Management**
  - Bureau of Land Management
  - State
  - Private

**Photograph Information**

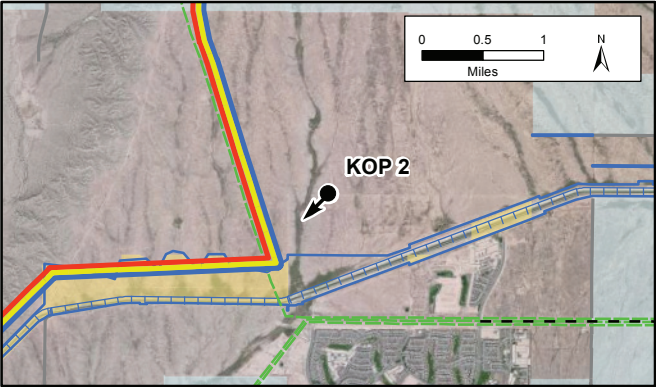
Time of photograph: 2:38 PM  
Date of photograph: 2-21-08  
Weather condition: Clear  
Viewing direction: Southwest  
Latitude: 33°41'22.61"N  
Longitude: 112°38'14.67"W  
Camera: Canon Rebel EOS XT  
Lens: 50mm  
Lighting condition: Backlit  
Nearest tower in view: NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-2a  
Existing Conditions  
from Key Observation Point 2  
Deer Valley Road east of 275th Avenue  
vicinity looking southwest  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Existing 500kV Transmission Line

Existing 69kV Transmission Line

Major Roads

Canal

Central Arizona Project Canal

**Surface Land Management**

Bureau of Land Management

State

Private

**Photograph Information**

Time of photograph: 2:38 PM

Date of photograph: 2-21-08

Weather condition: Clear

Viewing direction: Southwest

Latitude: 33°41'22.61"N

Longitude: 112°38'14.67"W

Camera: Canon Rebel EOS XT

Lens: 50mm

Lighting condition: Backlit

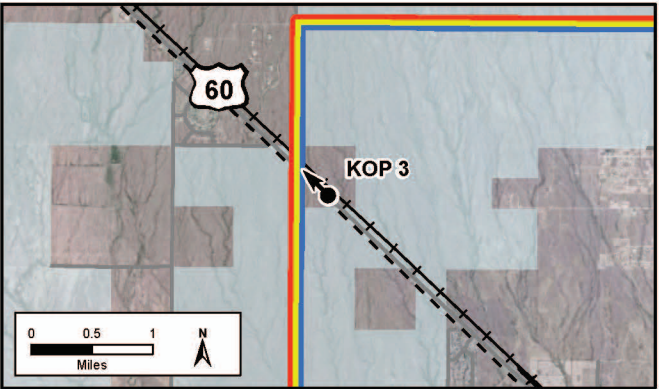
Nearest tower in view: 0.58 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-2b  
Simulation Common to All Alternatives  
from Key Observation Point 2  
Deer Valley Road east of 275th Avenue  
vicinity looking southwest  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan  
Proposed Action  
Right-of-Way

Alternative 2  
South of SR 74

Alternative 3  
Carefree Highway

Existing 69kV  
Transmission Line

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 12:55 PM

Date of photograph: 2-21-08

Weather condition: Clear

Viewing direction: West-Northwest

Latitude: 33°48'19.00"N

Longitude: 112°33'48.53"W

Camera: Canon Rebel EOS XT

Lens: 50mm

Lighting condition: Frontlit

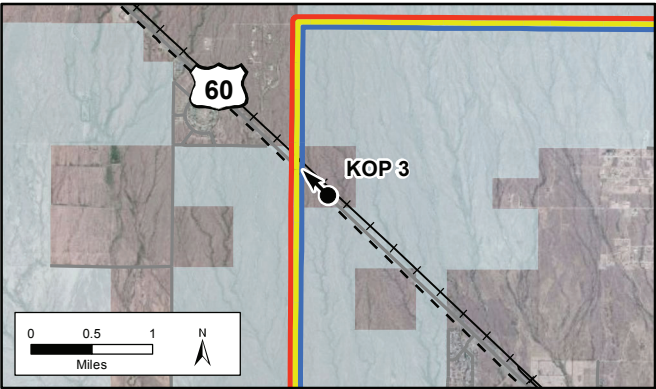
Nearest tower in view: NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-3a  
Existing Conditions  
from Key Observation Point 3  
Intersection with US 60  
looking west-northwest  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Existing 69kV Transmission Line

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 12:55 PM

Date of photograph: 2-21-08

Weather condition: Clear

Viewing direction: West-Northwest

Latitude: 33°48'19.00"N

Longitude: 112°33'48.53"W

Camera: Canon Rebel EOS XT

Lens: 50mm

Lighting condition: Frontlit

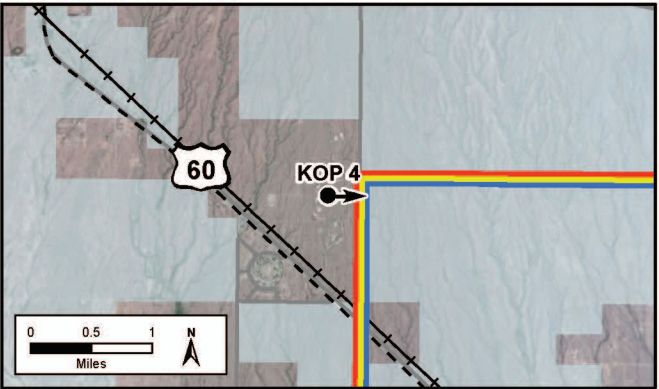
Nearest tower in view: 0.28 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-3b  
Simulation Common to All Alternatives  
from Key Observation Point 3  
Intersection with US 60  
looking west-northwest  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Existing 69kV Transmission Line

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

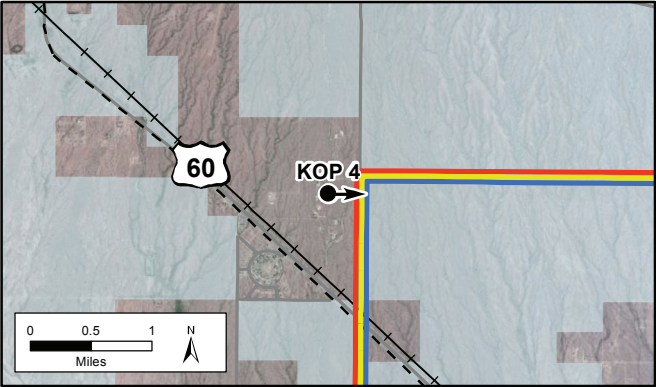
Time of photograph: 12:17 PM  
Date of photograph: 2-21-08  
Weather condition: Clear  
Viewing direction: East  
Latitude: 33°49'25.90"N  
Longitude: 112°34'22.01"W  
Camera: Canon Rebel EOS XT  
Lens: 50mm  
Lighting condition: Sidelit  
Nearest tower in view: NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-4a  
Existing Conditions  
from Key Observation Point 4  
Thunder Ridge Airpark vicinity looking east  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Existing 69kV Transmission Line

Major Roads

Railroad

**Surface Land Management**

State

Private

**Photograph Information**

Time of photograph: 12:17 PM

Date of photograph: 2-21-08

Weather condition: Clear

Viewing direction: East

Latitude: 33°49'25.90"N

Longitude: 112°34'22.01"W

Camera: Canon Rebel EOS XT

Lens: 50mm

Lighting condition: Sidelit

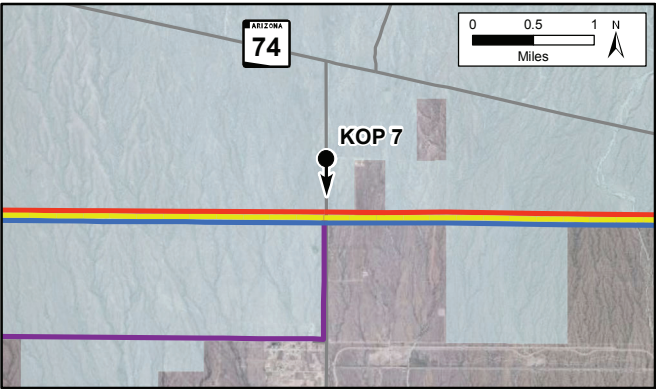
Nearest tower in view: 0.28 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-4b  
Simulation Common to All Alternatives  
from Key Observation Point 4  
Thunder Ridge Airpark vicinity looking east  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Major Roads

Surface Land Management

Sun Valley to Morgan

Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Sub-alternative: State Trust Lands Route Variation

State

Private

**Photograph Information**

Time of photograph: 1:57 PM

Date of photograph: 12-6-11

Weather condition: Clear

Viewing direction: South

Latitude: 33°49'58.75"N

Longitude: 112°30'58.44"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Backlit

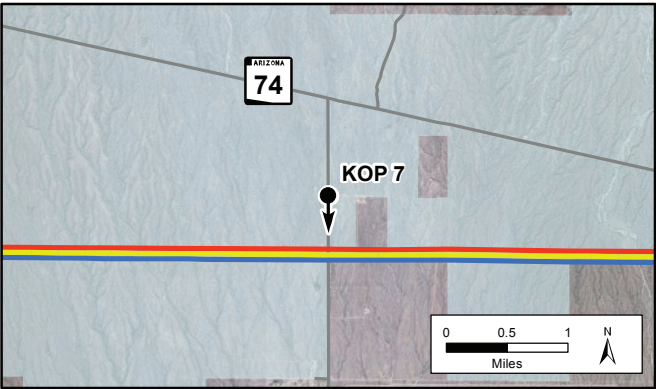
Nearest tower in view: NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-5a  
Existing Conditions  
from Key Observation Point 7  
211th Avenue south of SR 74 looking south  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

Key Observation Point

Sun Valley to Morgan Proposed Action Right-of-Way

Alternative 2 South of SR 74

Alternative 3 Carefree Highway

Major Roads

State Surface Land Management

Private

**Photograph Information**

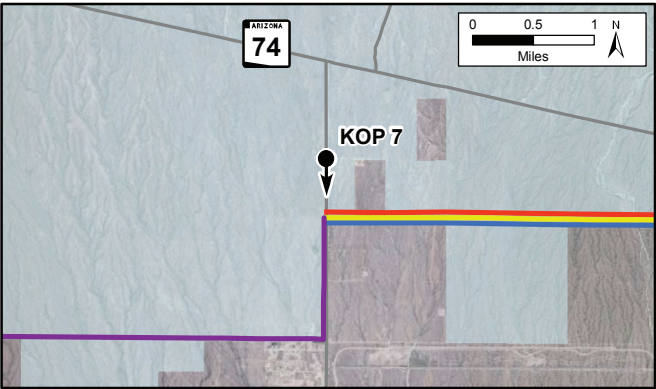
Time of photograph:	1:57 PM
Date of photograph:	12-6-11
Weather condition:	Clear
Viewing direction:	South
Latitude:	33°49'58.75"N
Longitude:	112°30'58.44"W
Camera:	Nikon D700
Lens:	50mm
Lighting condition:	Backlit
Nearest tower in view:	0.48 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.





Figure 4.14-5b  
Simulation Common to All Alternatives  
from Key Observation Point 7  
211th Avenue south of SR 74 looking south  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project








**Legend**


 Key Observation Point

 Sun Valley to Morgan Proposed Action Right-of-Way


 Alternative 2 South of SR 74


 Alternative 3 Carefree Highway

 Sub-alternative: State Trust Lands Route Variation

 Major Roads

**Surface Land Management**

 State

 Private

**Photograph Information**

Time of photograph: 1:57 PM

Date of photograph: 12-6-11

Weather condition: Clear

Viewing direction: South

Latitude: 33°49'58.75"N

Longitude: 112°30'58.44"W

Camera: Nikon D700

Lens: 50mm

Lighting condition: Backlit

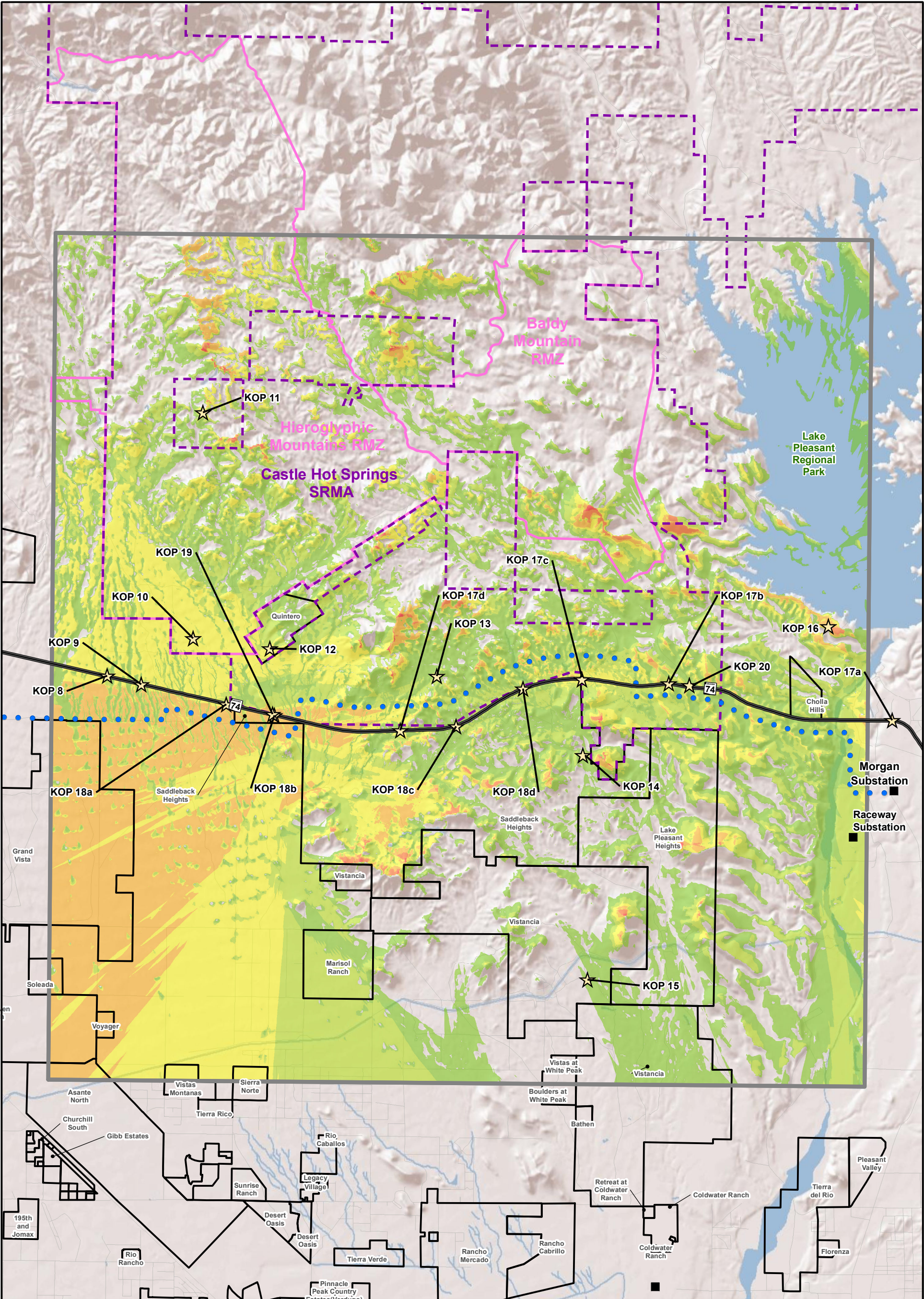
Nearest tower in view: 0.48 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-5c  
Simulation of Sub-Alternative  
from Key Observation Point 7  
211th Avenue south of SR 74 looking south  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

- ★ KOPs
- Sun Valley to Morgan Proposed Action Right-of-Way - Structure Locations
- Visual Resources Focus Area
- SRMA
- RMZ
- Existing High-Voltage Substation
- Existing and Future Development Areas

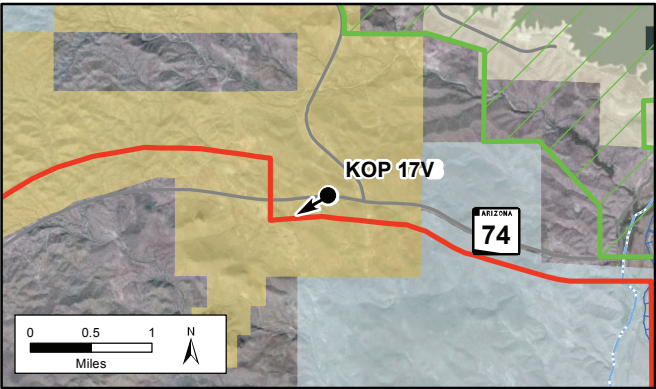
**# of Structures Visible**

0
1 - 10
11 - 20
21 - 30
31 - 40
41 - 50
51 - 70

Base Map: ESRI Shaded Relief accessed at ArcGISOnline.com BLM 2011

Figure 4.14-6  
Viewshed Analysis Proposed Action -  
Visual Resources Focus Area  
Sun Valley to Morgan 500/230kV -  
Transmission Line EIS Project





**Legend**

	Key Observation Point		Major Roads
	Sun Valley to Morgan Proposed Action Right-of-Way		Wash or Stream
			Canal
			Regional Park
		<b>Surface Land Management</b>	
			Bureau of Land Management
			Bureau of Reclamation
			State
			Private

**Photograph Information**

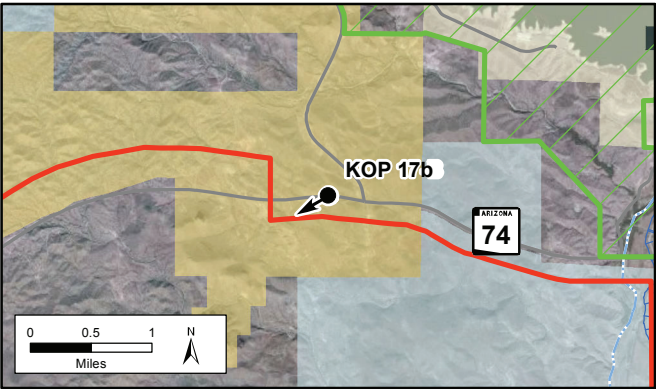
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Date of photograph:	12-6-11
Weather condition:	Clear
Viewing direction:	Southwest
Latitude:	33°50'6.57"N
Longitude:	112°19'14.52"W
Camera:	Nikon D700
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	NA

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-7a  
Existing Conditions  
from Key Observation Point 17b  
SR 74 view of prominent butte looking  
southwest  
  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project





**Legend**

- Key Observation Point
- Sun Valley to Morgan Proposed Action Right-of-Way
- Major Roads
- Wash or Stream
- Canal
- Regional Park
- Surface Land Management**
  - Bureau of Land Management
  - Bureau of Reclamation
  - State
  - Private

**Photograph Information**

Time of photograph:	12:34 PM
Date of photograph:	12-6-11
Weather condition:	Clear
Viewing direction:	Southwest
Latitude:	33°50'6.57"N
Longitude:	112°19'14.52"W
Camera:	Nikon D700
Lens:	50mm
Lighting condition:	Sidelit
Nearest tower in view:	0.17 Mile

Photograph is intended to be viewed 18 inches from viewer's eyes when printed on 11x17 paper. The photograph below has been cropped top and bottom to show a wide angle of view with the above photograph's area shown in yellow.



Figure 4.14-7b  
Simulation of Proposed Action  
from Key Observation Point 17b  
SR 74 view of prominent butte looking  
southwest  
View of easternmost crossing  
Sun Valley to Morgan 500/230kV  
Transmission Line EIS Project